

Amendments to the Claims

Listing of Claims:

Original Claims 1-10 (canceled).

Claim 11. (new) An information transmission system, comprising:

a transmitter having at least one transmitter coupling element for emitting primarily an electric near field;

an infrastructure body having an electrically conducting conductor element electrically insulated from ground, wherein the electric field is coupled into said conductor element; and

a receiver having a receiver coupling element for coupling out the electric field transmitted in said conductor element.

Claim 12. (new) The information transmission system according to claim 11, wherein said conductor element is connected for directly coupling the electric field into said conductor element.

Claim 13. (new) The information transmission system according to claim 11, wherein said conductor element is disposed for coupling the electric field into said conductor element by capacitive coupling.

Claim 14. (new) The information transmission system according to claim 11, wherein said conductor element is made of a substantially homogeneous material, and an electrical conductivity of said conductor element is time-invariant.

Claim 15. (new) The information transmission system according to claim 11, wherein said conductor element has an electrical impedance with respect to ground potential.

Claim 16. (new) The information transmission system according to claim 11, wherein said conductor element is an unbalanced conductor element configured to utilize ground potential as a return line for transmission of information.

Claim 17. (new) The information transmission system according to claim 11, wherein the electric field is modulated with information to be transmitted.

Claim 18. (new) The information transmission system according to claim 17, wherein a carrier frequency lies approximately between 5 MHz and 50 MHz.

Claim 19. (new) A transmitter for transmitting information, comprising a power supply, a modulator, and a coupling element for coupling information to be transmitted into an electrical conductor element by way of an essentially electric near field.

Claim 20. (new) A receiver for receiving information, comprising a power supply, a demodulator, and at least one coupling element for coupling out of a conductor element information transmitted via the electrical conductor element by way of a primarily electric near field.

Claim 21. (new). In a tire pressure measuring system of a motor vehicle, the information transmission system according to claim 11, wherein said conductor element is a part of the bodywork of the motor vehicle and each tire of the motor vehicle has a transmitter, disposed therein, and an associated receiver is disposed on the vehicle in a vicinity of the conductor element.